

Substitute for form 1449A-B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	<b>Complete if Known</b>	
	Application Number	09/945,238
	Filing Date	August 31, 2001
	First Named Inventor	W r n r G. Kuhr
	Group Art Unit	1632 1637
	Examiner Name	Unassigned CM
	Attorney Docket Number	407T-300200US
Date Submitted		

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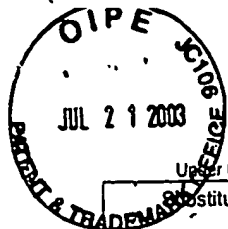
U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
AB	01	5,595,215	A	KUHR et al.	09-28-1999	
I	02	5,650,061	A	KUHR et al.	07-22-1997	
I	03	5,861,287	A	METZKER et al.	01-19-1999	
AB	04	5,427,911		RUANO	06-27-1995	

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Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
AB	05	WO	01/73429	A2	CLEMSON UNIVERSITY	10-04-2001		
MB	06	WO	86/04926	A1	GENETICS INTERNATIONAL	08-28-1986		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T
CAB	07	Database CAPLUS, AN:2000:707577. BRAZILL, S. et al. Detection of Native Amino Acids and Peptides Utilizing Sinusoidal Voltammetry. Analytical Chemistry. 2000, Vol. 72, No. 22, pages 5542-5548.			
I	08	Database CAPLUS, AN:2000:326900. BRAZILL, S. et al. Development of an innovative detection strategy for DNA sequencing utilizing electrochemical labels. Book of Abstracts, 219 <sup>th</sup> ACS National Meeting, San Francisco, CA, 26-30 March 2000, ANYL-106 Publisher: American Chemical Society. See abstract.			
I	09	Database CAPLUS, AN:1999:539721. KUHR et al. Electrochemical detection of DNA in microfluidic systems. Book of Abstracts, 218 <sup>th</sup> ACS National Meeting, New Orleans, 22-16 August 1999, American Chemical Society, see abstract.			
I	10	Database CAPLUS, AN:1997:485790. SINGHAL, P. et al. Direct electrochemical sensing of underivatized bio-macromolecules and their component subunits. Book of Abstracts, 214 <sup>th</sup> ACS National Meeting, Las Vegas, NV, 7-11 September 1997, ANYL-042 Publisher: American Chemical society, see abstract.			
CAB	11	Database CAPLUS, AN:1996:159883. IHARA et al. DNA ligand – redox active molecule conjugates as an electrochemical DNA probe. Analytical Science & Technology. 1995, Vol. 8, No. 4, pp. 887-94; see abstract.			

Examiner Signature		Date Considered	11/21/05
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PTO/SB/08A (04-03)

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

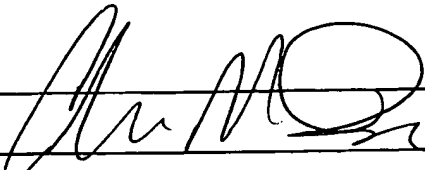
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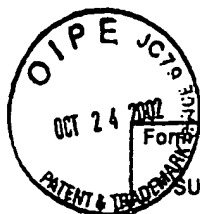
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First Named Inventor	W rn r G. Kuhr
Group Art Unit	1632 1637
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am	12	Database CAPLUS, AN:2000:798083. LEI et al. DNA immobilization and bioelectronic detection based on conducting polymers. Abstr. Pap. - Am. Chem. Soc. 2000, 220 <sup>th</sup> , PMSE-314.	


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Form PTO-1449		Docket Number Optional 03768/09388 (15311)	Application Number 10/017,058				
SUPPLEMENTAL INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant McDevitt, et al.	Filing Date December 14, 2001				
		Examiner Unknown	Group Art Unit 4637 1637 CM Bolic				
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
CMB	5 8 3 6 9 7 0	11/17/98	Pandit	606	213		
	6 1 2 4 2 7 3	09/26/00	Drohan, et al	514	55		
CMB	6 1 5 6 3 3 4	12/05/00	Meyer-Ingold, et al	424	443		
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	Translation	
						YES	NO
CMB	EP 0468797	29.01.92	Koga, et al	A61L	15/40		
	EP 0823258	11.02.98	Tsubouchi	A61L	15/00		
	EP 0920875	09.06.99	Tsubouchi	A61L	15/32		
	GB 551713	08.03.43	Steel				
	GB 1090421	08.11.67	Aerosan Limited	A61I	15/00		
	WO 97/07273	27.02.97	Takashi	D04H	1/46	X - Abstract Only	
	WO 00/42958	27.07.00	Johnston, et al	A61F	13/00		
	WO 01/64132	07.09.01	Edwards, et al	A61F	13/00		
	WO 01/87267	22.11.01	Masters	A61K	9/10		
CMB	WO 02/051457	04.07.02	McDevitt, et al	A61L	15/32		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
CMB	Derwent Publications, Ltd., XP-002209006, August, 1979.						
	Hirano, Shigehiro, et al, "The Preparation and Applications of functional fibres from Crab Shell Chitin," JOURNAL OF BIOTECHNOLOGY, vol. 70, no. 1-3, 1999, pgs. 373-377.						
CMB	Santini, et al, "In Vitro Evaluation of the Inflammatory Potential of the Silk Fibroin," JOURNAL OF BIOMEDICAL MATERIALS RESEARCH, vol. 46, no. 3, 1999, pgs. 382-389.						
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	Examiner Name	<del>Unassigned</del> CM Babic
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Date Submitted	August 26, 2002	

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CMB	1	5,436,130		Mathies et al.	07-25-1995	
	2	5,650,061		Kuhr et al.	07-22-1997	
	3	5,958,215		Kuhr et al.	09-28-1999	
	4	6,110,709		Ausubel et al.	08-29-2000	
	5	6,270,973	B1	Lewis et al.	08-07-2001	
	6	6,297,018	B1	French et al.	10-02-2001	
	7	6,337,188	B1	Head et al.	01-08-2002	
	8	6,340,566	B1	McCutchen-Maloney	01-22-2002	
CMB	9	6,361,671	B1	Mathies et al.	03-26-2002	

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		Office	Number	Kind Code (if known)				
CMB	10	WO	00/42424	A1	The Regents of the University of California	07-20-2000		


OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
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CMB	11	ANNE ET AL. (2001) "Synthesis of the First Ferrocene-Labeled Dideoxynucleotide and Its Use for 3'-Redox End-Labeling of 5'-Modified Single-Stranded Oligonucleotides." <i>Bioconjugate Chemistry</i> , 12: 396-405			
I	12	ARMSTRONG ET AL. (2000) "Suspension Arrays for High Throughput, Multiplexed Single Nucleotide Polymorphism Genotyping." <i>Cytometry</i> , 40: 102-108			
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16	BOGH ET AL. (1999) "Scanning for nucleotide variations in mitochondrial DNA fragments of Schistosoma japonicum by single-strand conformation polymorphism." <i>Parasitology</i> , 118:73-82
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18	BRAZILL ET AL. (2000) "Detection of Native Amino Acids and Peptides Utilizing Sinusoidal Voltammetry." <i>Anal. Chem.</i> , 72: 5542-5548.
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	First Named Inventor	Werner G. Kuhr
	Group Art Unit	<del>1632</del> 1637
	Examiner Name	Unassigned CM B. L.
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	First Named Inventor	W m r G. Kuhr
	Group Art Unit	<del>1632</del> 1637
	Examiner Name	Unassigned CM B3ic
	Attorney Docket Number	407T-300200US
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45	Review Forum (1999) "Automated florescent DNA analysis." <i>Life Science News</i> 2:4-7 ABSTRACT		
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49	SHUMAKER ET AL. (1996) "Mutation Detection by Solid Phase Primer Extension." <i>Human Mutation</i> 7: 346-354		
50	SIMPSON ET AL. (1998) "High-throughput genetic analysis using microfabricated 96-sample capillary array electrophoresis microplates." <i>Proc. Natl. Acad. Sci., USA</i> , 95: 2256-2261		
51	SINGHAL AND KUHR (1997) "Ultrasensitive Voltammetric Detection of Underivatized Oligonucleotides and DNA." <i>Anal. Chem.</i> 69: 4828-4832.		
52	SINGHAL AND KUHR (1997) "Direct Electrochemical Detection of Purine-and Pyrimidine-Based Nucleotides with Sinusoidal Voltammetry." <i>Anal. Chem</i> 69: 3552-3557		
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55	SWIFT ET AL. (1995) "High throughput screening using dynamic fluorescence." <i>SPIE</i> , 2388: 182-189 ABSTRACT		
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57	TIAN ET AL. (2000) "Rapid Detection of Deletion, Insertion, and Substitution Mutations via Heteroduplex Analysis Using Capillary- and Microchip-Based Electrophoresis." <i>Genome Research</i> 10: 1403-1413		
58	TIAN ET AL. (2000) "Single-Strand Conformation Polymorohism Analysis by Capillary and Microchip Electrophoresis: A Fast, Simple Method for Detection of Common Mutations in BRCA1 and BRCA2." <i>Genomics</i> , 63: 25-34		
59	TIAN ET AL. (2001) "Capillary and Microchip Electrophoresis for Rapid Detection of Known Mutations by Combining Allele-specific DNA Amplification with Heteroduplex Analysis." <i>Clinical Chemistry (Washington, DC, U. S.)</i> , 47: 173-185		
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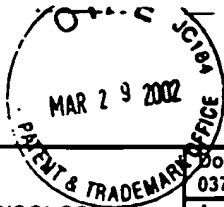
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	Group Art Unit	<del>1852</del> 1637
	Examiner Name	Unassigned CM Babin
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60	WOOLLEY AND MATHIES (1994) "Ultra-high-speed DNA fragment separations using microfabricated capillary array electrophoresis chips." <i>Proc. Natl. Acad. Sci. U.S.A.</i> 91:11348-11352
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63	YANG ET AL. (2002) "Toward Electrochemical Resolution of Two Genes on One Electrode: Using 7-Deaza Analogues of Guanine and Adenine To Prepare PCR Products with Differential Redox Activity." <i>Anal. Chem.</i> , 74: 347-354.
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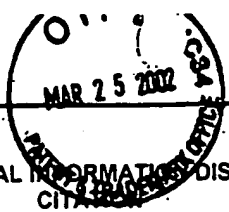
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
CWB	Edwards, J. V. et al., "Synthesis and Activity of NH <sub>2</sub> - and COOH-terminal elastase recognition sequences on cotton," J. Peptide Research; 1999; 54:536-543.					
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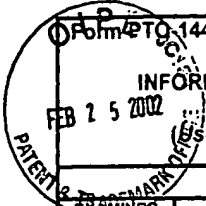


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U.S. PATENT DOCUMENTS													
EXAMINER INITIAL	DOCUMENT NUMBER		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE						
ans	5	0	9	8	4	1	7	03/24/92	Yamazaki, et al.	604	304		
ans	6	1	3	6	3	3	4	10/24/00	Viegas, et al.	424	427		
FOREIGN PATENT DOCUMENTS						Translation							
	DOCUMENT NUMBER		DATE	NAME	CLASS	SUBCLASS	YES						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)													
ans	Edwards, J. Vincent, et al, "Modified cotton gauze dressings that selectively absorb neutrophil elastase activity in solution," WOUND REPAIR AND REGENERATION, vol. 9, no. 1, 2001, U.S., pages 50-58.												
EXAMINER						DATE CONSIDERED							
						11/21/05							
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Form PTO-1449				Docket Number Optional 03768/09388 (15311)		Application Number 10/017,058						
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)				Applicant McDevitt, et al.		Filing Date December 14, 2001						
				Examiner Unknown		Group Art Unit 1654 1637 CM Babic						
U.S. PATENT DOCUMENTS												
EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ans	6	0	4	0	2	5	1	03/21/00	Caldwell	442	123	
	5	9	5	1	5	0	6	09/14/99	Tsubouchi	602	48	
	5	9	2	8	1	7	4	07/27/99	Gibbins	602	41	
	5	9	0	2	6	0	8	05/11/99	Read, et al.	424	532	
	5	8	8	5	2	3	7	03/23/99	Kadash, et al.	602	48	
	5	8	7	4	1	6	4	02/23/99	Caldwell	428	306.6	
	5	8	5	6	2	4	5	01/05/99	Caldwell, et al.	442	76	
	5	8	3	0	4	9	6	11/03/98	Freeman	424	445	
	5	7	2	0	9	8	1	02/24/98	Eisinger	424	572	
	5	6	6	2	6	8	2	09/02/97	Chesterfield, et al.	606	228	
	5	6	5	3	9	9	4	08/05/97	Schneider, et al.	424	445	
	5	6	5	1	9	6	6	07/29/97	Read, et al.	424	93.72	
	5	5	3	4	2	8	8	07/09/96	Gruskin, et al.	427	2.31	
	5	4	6	0	9	3	9	10/24/95	Hansbrough, et al.	435	1.1	
	5	3	6	8	5	5	3	11/29/94	Newman	602	58	
	5	3	0	4	3	7	8	04/19/94	Koga, et al.	424	445	
	5	2	7	1	9	4	3	12/21/93	Bogart, et al.	424	484	
	5	2	3	4	6	9	0	08/10/93	Chiang, et al.	424	448	
	5	0	3	7	6	5	6	08/06/91	Pitt, et al.	424	443	
	5	0	1	9	0	9	3	05/28/91	Kaplan, et al.	606	228	
	4	9	9	1	5	7	4	02/12/91	Pocknell	128	156	
	4	4	5	8	6	7	8	07/10/84	Yannas, et al.	128	155	
ans	4	4	1	8	6	9	1	12/06/83	Yannas, et al.	128	155	
FOREIGN PATENT DOCUMENTS												
DOCUMENT NUMBER		DATE		NAME		CLASS		SUBCLASS		Translation		
										YES	NO	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)												
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